



UNITED STATES DEPARTMENT OF COMMERCE  
Patent and Trademark Office  
ASSISTANT SECRETARY AND COMMISSIONER  
OF PATENTS AND TRADEMARKS  
Washington, D.C. 20231

AUGUST 08, 2001

PTAS

CALFEE, HALTER & GRISWOLD LLP  
NENAD PEJIC, ESQ.  
1400 MCDONALD INVESTMENT CENTER  
800 SUPERIOR AVENUE  
CLEVELAND, OHIO 44114-2688



\*101730876A\*

19249 U.S. PRO  
10/624580  
07/21/03

UNITED STATES PATENT AND TRADEMARK OFFICE  
NOTICE OF RECORDATION OF ASSIGNMENT DOCUMENT

THE ENCLOSED DOCUMENT HAS BEEN RECORDED BY THE ASSIGNMENT DIVISION OF THE U.S. PATENT AND TRADEMARK OFFICE. A COMPLETE MICROFILM COPY IS AVAILABLE AT THE ASSIGNMENT SEARCH ROOM ON THE REEL AND FRAME NUMBER REFERENCED BELOW.

PLEASE REVIEW ALL INFORMATION CONTAINED ON THIS NOTICE. THE INFORMATION CONTAINED ON THIS RECORDATION NOTICE REFLECTS THE DATA PRESENT IN THE PATENT AND TRADEMARK ASSIGNMENT SYSTEM. IF YOU SHOULD FIND ANY ERRORS OR HAVE QUESTIONS CONCERNING THIS NOTICE, YOU MAY CONTACT THE EMPLOYEE WHOSE NAME APPEARS ON THIS NOTICE AT 703-308-9723. PLEASE SEND REQUEST FOR CORRECTION TO: U.S. PATENT AND TRADEMARK OFFICE, ASSIGNMENT DIVISION, BOX ASSIGNMENTS, CG-4, 1213 JEFFERSON DAVIS HWY, SUITE 320, WASHINGTON, D.C. 20231.

RECORDATION DATE: 05/17/2001

REEL/FRAME: 011826/0584  
NUMBER OF PAGES: 5

BRIEF: ASSIGNMENT OF ASSIGNOR'S INTEREST (SEE DOCUMENT FOR DETAILS).

ASSIGNOR:

HERNER, SCOTT B.

DOC DATE: 05/11/2001

ASSIGNOR:

CLEEVES, JAMES M.

DOC DATE: 05/10/2001

ASSIGNOR:

KNALL, JOHAN

DOC DATE: 05/14/2001

ASSIGNEE:

MATRIX SEMICONDUCTOR, INC.  
3230 SCOTT BOULEVARD  
SANTA CLARA, CALIFORNIA 95054

SERIAL NUMBER: 09859282

PATENT NUMBER:

FILING DATE: 05/17/2001

ISSUE DATE:

DOCKETED

AUG 13 2001

T.L.B. IP. Dept.

## ASSIGNMENT

This Assignment is made and entered into by and between Scott B. Herner, residing at 909 Addison Avenue, Palo Alto, CA, James M. Cleeves, residing at 551 Summit Drive, Redwood City, CA, and Johan Knall residing at 1055 Westchester Drive, Sunnyvale, CA (collectively hereinafter "INVENTORS"), and Matrix Semiconductor, Inc., a Delaware corporation, with its offices at 3230 Scott Boulevard, Santa Clara, California 95054 (hereinafter referred to as "MATRIX").

**Whereas** INVENTORS have invented certain inventions described in a United States patent application titled METHOD OF PREVENTING AUTODOPING and have executed the United States patent application therefor on May 10, 2001;

**Whereas**, MATRIX desires to acquire the entire right, title and interest in said application and inventions, and to any United States and foreign patents to be obtained therefor; and

**Now, therefore**, for good and valuable consideration, receipt of which is hereby acknowledged:

1. INVENTORS hereby sell, assign, and transfer to MATRIX, its successors and assigns, the entire right, title and interest, so far as concerns the United States and the Territories and Possessions thereof and all foreign countries, in and to the inventions set forth in the application for United States Letters Patent executed by the INVENTORS on the above-indicated date, said application for United States Letters Patent, any and all other applications for Letters Patent on said inventions in the United States and in countries foreign to the United States, including all divisional, renewal, extension,

reexamination, substitute, continuation, continuation-in-part, reissue, and Convention applications based in whole or in part upon said inventions or upon said applications, and any and all Letters Patent and reissues and extension of Letters Patent granted for said inventions or upon said applications, and every priority right that is or may be predicated upon or arise from said inventions, said applications and said Letters Patent.

2. MATRIX is hereby authorized to file patent applications in any or all countries on any or all said inventions in the name of the INVENTORS or in the name of MATRIX or otherwise as MATRIX may deem advisable, under the International Convention or otherwise.

3. The Commissioner of Patents of the United States of America and the empowered officials of all other governments are hereby authorized to issue or transfer all said Letters Patent to MATRIX in accordance herewith.

4. This Assignment is being made under covenant, not only that full power to make the same is had by the INVENTORS, but also that, at the time of execution of this Assignment, such assigned right is not encumbered by any grant, license, governmental restriction, or other right heretofore given.

5. The INVENTORS agree that they will do all acts reasonably serving to assure that said inventions, patent applications and Letters Patent shall be held and enjoyed by MATRIX as fully and entirely as the same could have been held and enjoyed by the INVENTOR if this Assignment had not been made, and particularly to execute and deliver to MATRIX all lawful documents including petitions, specifications, oaths, assignments, invention disclaimers, lawful affidavits, and

declarations in form and in substance which may be requested by MATRIX, to furnish MATRIX with all facts relating to said inventions or the history thereof and any and all documents, photographs, models, samples or other physical exhibits which may be useful for establishing the facts of conception, disclosure and reduction to practice of said inventions, and to testify in any proceedings relating to said inventions, patent applications and Letters Patent.

6. INVENTORS agree that this Assignment shall be construed in accordance with the laws and courts of California. INVENTORS hereby also agree to submit to the jurisdiction of any California court.

Signature:

Brad Herner  
Scott B. Herner

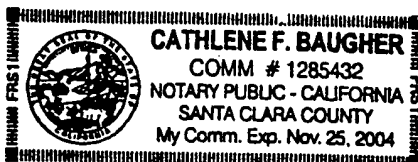
5-11-01  
DATE

On this 14th day of May, 2001, personally appeared before me, Scott B. Herner to me known to be the person named in and who executed the above instrument, and acknowledged to me that he executed the same for the uses and the purposes therein mentioned.

Date: May 14, 2001

Cathlene F. Baugher

Notary Public



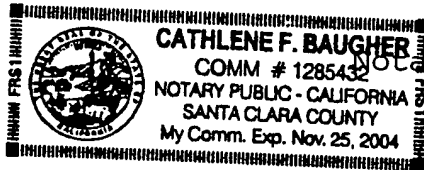
Signature:

James M. Cleeves  
James M. Cleeves

5/10/01  
DATE

On this 16th day of May, 2001, personally appeared before me, James M. Cleeves to me known to be the person named in and who executed the above instrument, and acknowledged to me that he executed the same for the uses and the purposes therein mentioned.

Date: May 16, 2001 Cathlene F. Baugher



Signature:

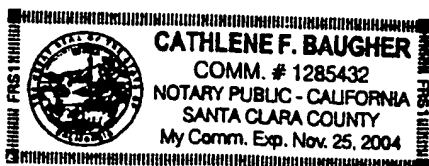
Johan Knall  
Johan Knall

5-14-01  
DATE

On this 14th day of May, 2001, personally appeared before me, Johan Knall to me known to be the person named in and who executed the above instrument, and acknowledged to me that he executed the same for the uses and the purposes therein mentioned.

Date: May 14, 2001 Cathlene F. Baugher

Notary Public



(NP0488.DOC;1)4